

MINNESOTA AG NEWS

WEEKLY CROP-WEATHER



USDA, NASS, MINNESOTA  
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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE - CHANHASSEN MN,  
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

SOYBEAN AND CORN HARVESTS UNDERWAY

Minnesota’s soybean harvest began this past week, slightly ahead of the five-year average pace, according to USDA, NASS, Minnesota Field Office. Corn and soybean crops continued to mature rapidly, well ahead of average. Producers were beginning to take high moisture corn for grain, while harvest of corn silage continued well ahead of the five year average pace. In the northwest, the canola harvest was mostly completed while the sugarbeet harvest was gaining momentum. Cool overnight temperatures ranging from the upper 20’s to the low 30’s brought the first frost to many parts of the state.

The average temperature for the week was 50.8°, 8.2° below normal. Statewide topsoil moisture supplies as of Friday were rated 14 percent very short, 32 short, 51 adequate, and 3 surplus.

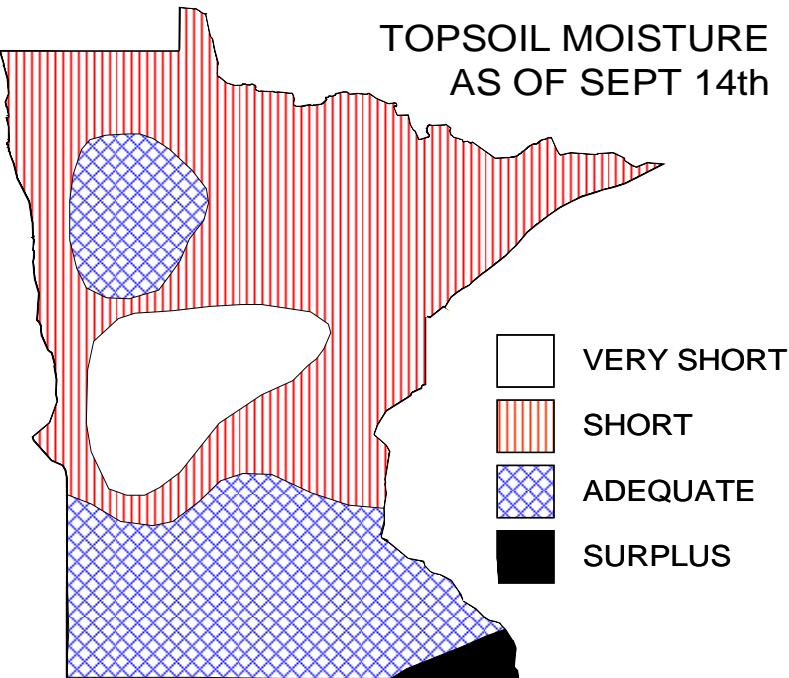
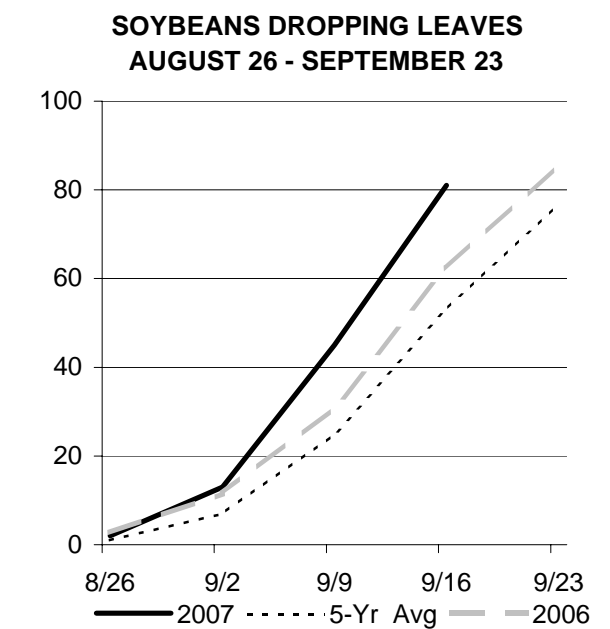
As of Sunday, Sep 16<sup>th</sup>, 73 percent of corn was mature, compared to 29 percent average. Three percent of corn was harvested for grain compared to 1 percent average, and corn cut for silage was 84 percent complete, compared to 56 percent average. Ninety-seven percent of soybeans were turning yellow, compared to 86 percent average. Eighty-one percent of soybeans were dropping leaves compared to 53 percent average. Thirty-nine percent of soybeans were mature compared to 16 percent average, and 5 percent were harvested compared to 2 percent average.

As of Friday, Sep 14<sup>th</sup>, forty percent of field corn, and 53 percent of soybean were rated in good or excellent condition. Eighty-five percent of potatoes, 68 percent of sunflowers, and 66 percent of sugarbeets were rated in good or excellent condition.

Days Suitable for Fieldwork: 6.1				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	14	32	51	3

Crop Progress as of September 16, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Mature	73	31	40	29
	Harvested	3	0	1	1
	Silage	84	60	71	56
Soybeans	Turning Yellow	97	85	90	86
	Dropping Leaves	81	45	62	53
	Mature	39	8	20	16
	Harvested	5	0	3	2
	Moisture	16	N/A	N/A	N/A
Sugarbeets	Harvested	8	5	9	4
Sweet Corn	Harvested	93	83	91	84
Potatoes	Harvested	49	40	67	44
Dry Beans	Harvested	40	27	52	32
Canola	Harvested	99	92	100	84

Crop Condition as of September 14, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	16	23	32	25	4
Corn	12	15	33	32	8
Soybeans	6	10	31	42	11
Sugarbeets	3	5	26	41	25
Potatoes	1	2	12	73	12
Dry Beans	2	13	37	42	6
Sunflowers	1	6	25	52	16



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 16,2007:  
Temperatures averaged from 9.7 degrees below normal in the Southwest District to 6.5 degrees below normal in the East Central District.  
Extremes: 21 degrees in Hibbing; 78 degrees in Montevideo, Redwood Falls.  
Precipitation averaged from 0.70 inch below normal in the Northeast District to 0.39 inch below normal in the Northwest District. Greatest weekly total was 0.67 inch recorded in Winona.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website;  
<http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 9/10/2007 through 9/16/2007

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 3	Depart from Norm
<u>NW DIST 1</u>										
Crookston	69	32	48.8	-9.1	.01	-.52	1.16	2.60	2168	44
Moorhead	77	35	52.9	-6.0	.01	-.50	.29	3.37	2419	194
Warroad	71	29	47.6	-7.4	.47	-.16	-.87	1.26	1979	131
<u>NC DIST 2</u>										
Grand Rapids	73	28	48.0	-7.6	.18	-.54	.75	-5.36	2140	286
Intl. Falls	73	28	46.0	-8.0	.25	-.49	-.71	-1.61	1801	69
Itasca	66	29	45.7	-8.4	.09	-.61	-.64	-.30	2042	304
<u>NE DIST 3</u>										
Duluth	69	28	47.8	-7.7	.03	-.99	-2.42	-8.15	1873	235
Grand Marais	63	32	47.6	-8.3	.25	-.56	.52	-3.21	1170	-101
Hibbing	71	21	44.4	-10.0	.21	-.55	-2.25	-10.66	1828	139
<u>WC DIST 4</u>										
Alexandria	74	34	52.6	-6.1	0	-.64	-2.46	-9.34	2409	277
Browns Valley	74	29	52.8	-7.9	0	-.43	-.76	4.58	2313	-44
Canby	73	35	53.4	-9.0	0	-.56	-1.57	-2.06	2561	85
Fergus Falls	70	27	49.8	-9.0	.02	-.49	-2.17	.67	2350	188
Montevideo	78	29	53.5	-7.6	0	-.53	-1.94	-3.03	2496	146
Morris	72	29	50.1	-9.9	0	-.49	-1.10	-2.56	2358	74
<u>CENT DIST 5</u>										
Becker	69	30	50.8	-7.5	.03	-.73	-.48	-6.16	2537	435
Collegeville	75	33	54.2	-7.6	.07	-.69	-1.62	-5.27	2654	257
Hutchinson	70	30	52.5	-8.6	0	-.55	.16	-4.51	2588	220
Olivia	71	30	51.8	-8.2	0	-.66	-.82	-3.59	2466	162
St. Cloud	73	27	50.9	-7.4	.04	-.66	-2.10	-5.31	2416	314
Staples	67	28	47.6	-9.2	0	-.60	-1.57	-3.33	2154	250
Willmar	71	32	51.4	-8.9	0	-.67	.93	-3.37	2529	228
<u>EC DIST 6</u>										
Aitkin	68	29	51.2	-4.8	0	-.69	-.32	-6.68	2127	330
Forest Lake	71	33	52.4	-7.7	.20	-.59	-2.11	-5.46	2508	256
MSP Airport	74	36	55.0	-6.9	0	-.64	.94	-.56	2803	341
St. Paul - UofM	74	32	56.5	-6.6	0	-.76	.13	-7.54	2812	278
<u>SW DIST 7</u>										
Lamberton	72	29	50.8	-10.3	.03	-.58	-.22	-2.24	2539	142
Pipestone	72	31	50.6	-9.6	.14	-.52	.53	-3.71	2492	185
Redwood Falls	78	28	52.3	-10.3	.01	-.58	-1.34	-2.39	2595	55
Worthington	72	33	51.0	-9.0	.27	-.34	2.56	4.21	2525	278
<u>SC DIST 8</u>										
Faribault	68	32	52.3	-8.4	.04	-.73	-.43	-3.35	2545	255
Mankato	70	31	52.4	-8.9	.03	-.71	-.88	-4.65	2556	166
Waseca	69	29	51.6	-9.6	.10	-.66	-.15	2.05	2550	216
Winnebago	71	30	54.0	-8.3	.16	-.46	-.80	-5.30	2547	130
<u>SE DIST 9</u>										
Preston	77	28	51.4	-9.1	.54	-.33	2.31	7.85	2362	159
Red Wing	70	31	53.5	-8.0	0	-.85	.25	-.25	2578	202
Rochester	73	32	53.8	-6.1	.42	-.33	1.38	5.00	2534	359
Rosemount	67	32	53.2	-7.5	.02	-.83	-1.14	-2.66	2566	300
Winona	73	35	52.8	-11.1	.67	-.17	-.15	6.12	2490	-141

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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